

Polyester code bar

PXV-AAMP

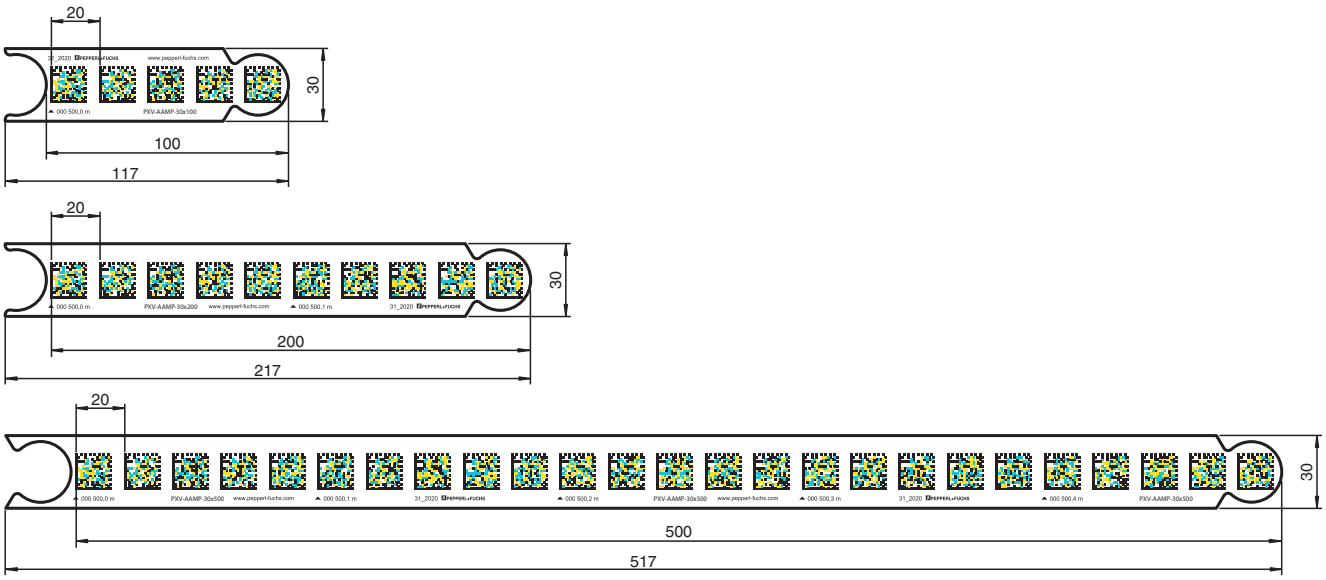
- High mechanical stability
- Easily exchangeable
- Chemically highly resistant
- 2-colored Data Matrix codes

Data Matrix polyester code bars for positioning safePXV and safePGV read heads

Function

Rugged Data Matrix polyester code bars for use in the section of camera-based track guidance on the floor. The code bars are back-printed and, depending on the application, can be glued directly to the floor or glued into special carrier profile rails. The code bars are available in modular lengths of 100, 200 and 500 mm.

Dimensions



Technical Data

General specifications		
Total length		1 ... 100000 m
Start position		1 ... 99999 m
Code bar segment		
Nominal segment length		100 mm 200 mm 500 mm
Width		30 mm
Ambient conditions		

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Technical Data

Operating temperature	-40 ... 50 °C (-40 ... 122 °F)
Storage temperature	-40 ... 60 °C (-40 ... 140 °F)
Installation temperature	10 ... 40 °C (50 ... 104 °F)
Environmental resistance	UV radiation Humidity
Chemical resistance	Oils Grease Fuels Aliphatic solvents Weak acids
Mechanical specifications	
Material thickness	0.2 mm
Material	polyester
Mounting type	adhesive
Mass	16.2 g / m
Manufacturing tolerance	± 1 mm/m
Storage	Maximum 2 years under normal storage conditions.

Mounting

Mounting Instructions for Adhesive Mounting Type

Preparing the Base Surface
1. Use clean cleaning cloths (free from lint and plasticizers) to clean the surfaces.
2. Use cleaning agents appropriate for the level of surface contamination, for example n-Heptane, ethanol, or a 50:50 mixture of isopropanol and water.
3. Clean the surface until it is completely dry and free of dust, oil, oxides, release agents, and other contaminants.
4. Ensure that the surface is dry, clean, and stable.

Adhesive Strength

Metal	Material with high-energy surfaces	Material with low-energy surfaces
33 N/25 mm	32 N/25 mm	31 N/25 mm

Material thickness: 0.2 mm code bar + 0.13 mm adhesive

Processing Instructions
During bonding, the pressure should be as high as possible, and the temperature should be at least +10 °C.
The higher the pressure and temperature, the better the adhesive will penetrate the pores of the base surface. This allows higher adhesive strength values to be achieved.
After about 72 hours, the adhesive is cured.

Type Code

Structure of the type code

P	**X**	**V**	(1)	(1)	(1)	(1)	(1)	(1)	**M**	**-**	**A**	**A**	**M**	**P**	(2)	**x**	(3)	(3)	(3)	**-**	(4)	(4)	(4)	(4)	(4)	(4)

PXV	Sensor Type
PXV	Position Extended Vision

(1) (1) (1) (1) (1) (1)	Total length of the code bar
1 ... 100.000	The total length of the code bar is determined by the number of individual code bar segments. The code bars can be ordered in 1 m units.

M	Unit
M	Meter

AAM	Code bar
A	Code type ECC200, symbol size 16x16
A	Absolute code
M	Material
P	Polyester

(2)	Code Bar Width
30	Width of the code bar in mm

(3) (3) (3)	Nominal segment length of the code bars
100	Nominal segment length of the individual code bars in mm
200	Nominal segment lengthof the individual code bars in mm

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Type Code

(3) (3) (3)	Nominal segment length of the code bars
500	Nominal segment lengthof the individual code bars in mm

(4) (4) (4) (4) (4) (4)	Start position
1 ... 99.999	Start position of the code bars in m

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